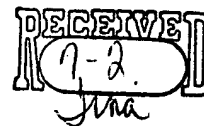


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Calderbank 19-6-42

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

OFFICIAL

Inventor(s)	Arthur Robert Calderbank Ayman Naguib Nambirajan Seshadri	Case Name	Calderbank 19-6-42
Filing Date	4/28/1999	Serial No.	09/300494
Examiner	Chieh M Fan	Group Art Unit	2634
Title	Combined Channel Coding and Space-Block Coding in a Multi-Antenna Arrangement		

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231
SIR:

AMENDMENT

In response to an Office action dated April 10, 2001 please amend the above-identified application as follows:

IN THE SPECIFICATION:

Page 1, replace the title paragraph beginning at line 1 with:--

Done.

Combined Channel Coding and Space-Time Block Coding in a Multi-Antenna Arrangement --;

Page 1, replace the paragraph beginning at line 14 with:--

- Done.*
- U.S. Application 09/114,838, filed July 14, 1998, titled "Combined Array Processing and Space-Time Coding," which is based on U.S. Provisional Application No. 60/052,689, filed July 17, 1997.--;

Page 4, replace the paragraph beginning at line 9 with:

Done.

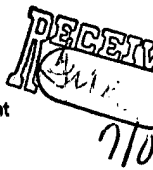
In the aforementioned 09/114,838 application, an arrangement is disclosed that provides enhanced performance which is realized by employing a perspective that combines array signal processing with channel coding. Specifically, antennas at the transmitter are partitioned into small groups, and individual space-time codes are used to transmit information from each group of antennas. At the receiver, an individual space-time code is decoded by a linear array processing technique that suppresses signals

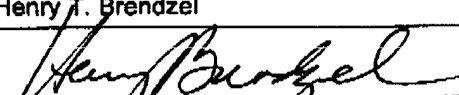
OFFICIAL

Henry Brendzel

TRANSMITTAL FORM (to be used for all correspondence after initial filing)		<i>Complete if Known</i>	
		Application Number	09/300494
		Filing Date	4/28/1999
		First Named Inventor	Arthur Robert Calderbank
		Examiner Name	Chieh M Fan
Total number of pages in this Submission: this page, plus 11		Group/Art Unit	2634
		Attorney Docket ID	Calderbank 19-6-42

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavit(s)/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.2 or 1.53 <input type="checkbox"/> Declaration (no Missing Parts Notice)	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (TO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation or Change of Correspondence Address <input type="checkbox"/> Express Abandonment <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> To Convert to Statutory Invention Registration	<input type="checkbox"/> Postcard(s) <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for a Refund <input type="checkbox"/> After Allowance Communication to group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communications to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other



SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual Name	Henry T. Brendzel	
Signature		Date 6/29/01

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231 on this date: 		
Henry Brendzel Name of Person Signing	Signature	Date

CERTIFICATE OF FACSIMILE		
I hereby certify that this correspondence is being electronically transmitted by facsimile to the United States Patent Office:		
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